

INTERNATIONAL SEARCH REPORT

International application No.
PCT/SE 01/00952

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: F24D 19/10, F28F 27/00 // F24D 10/00
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: F24D, F28F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5363905 A (RHIEL ET AL), 15 November 1994 (15.11.94), whole document	1,8
Y	--	5,9,11-13
X	WO 8201063 A1 (WEITMAN, JACOB), 1 April 1982 (01.04.82), abstract	1,8
A	--	2-7,9-15
X	US 4574870 A (WEITMAN), 11 March 1986 (11.03.86), claims 1-4, abstract	1,2,8
A	--	3-7,9-15

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"Z" document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

10 December 2001

12-12-2001

Name and mailing address of the ISA/
Swedish Patent Office
Box 5055, S-102 42 STOCKHOLM
Facsimile No. +46 8 666 02 86

Authorized officer

Anna R-Salomansson / JA A
Telephone No. +46 8 782 25 00

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 01/00952

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	DE 3521188 A1 (AMMERMANN, HEINZ L, ET AL), 18 December 1986 (18.12.86), claims 1,8, abstract --	5,9,11-13
Y	US 5904292 A (MCINTOSH), 18 May 1999 (18.05.99), column 2, line 5 - column 3, line 17, abstract --	5,9,11-13
A	SE 8204948 A (LEIF ERLAND MAURITZ EKLUND), 1 March 1984 (01.03.84), abstract --	1-15
E,X	SE 9904016 A (MATTIS LINDGREN), 5 May 2001 (05.05.01), whole document -- -----	1-14

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/SE 01/00952

Parent document cited in search report		Publication date	Parent family member(s)		Publication date
US	5363905 A	15/11/94	DE	4207144 A	09/09/93
			DE	59302081 D	00/00/00
			EP	0559043 A,B	08/09/93
			ES	2085662 T	01/06/96
			JP	6019560 A	28/01/94
WO	8201063 A1	01/04/82	DE	3152373 T	23/09/82
			EP	0048234 A,B	24/03/82
			SE	0048234 T3	
			JP	57501595 T	02/09/82
			SE	8006391 A	13/03/82
US	4574870 A	11/03/86	US	4574870 A	11/03/86
			DE	3152373 T	23/09/82
			EP	0048234 A,B	24/03/82
			SE	0048234 T3	
			JP	57501595 T	02/09/82
DE	3521188 A1	18/12/86	SE	8006391 A	13/03/82
			WO	8201063 A	01/04/82
US	5904292 A	18/05/99	AU	5219598 A	29/06/98
			EP	0943070 A	22/09/99
			WO	9825086 A	11/06/98
SE	8204948 A	01/03/84	NONE		
SE	9904016 A	05/05/01	SE	515812 C	15/10/01